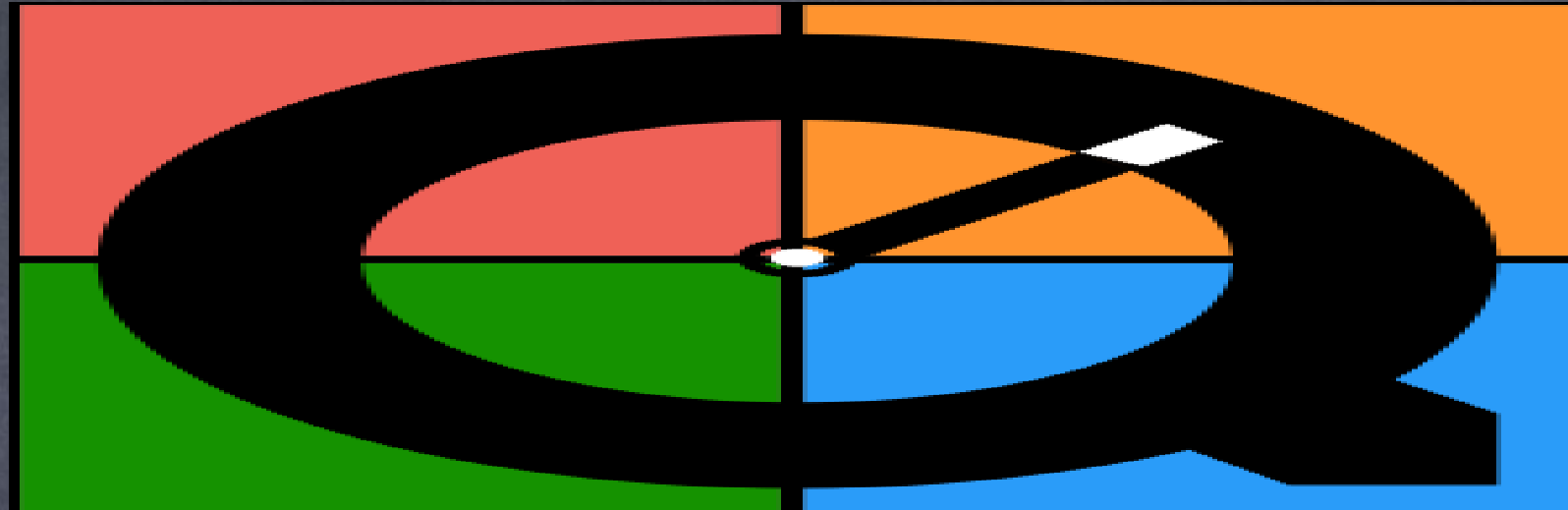


Idag

- Våg, definition
- Vågekvationen
- Harmonisk våg
- Fas, fashastighet
- Superpositionsprincipen
- Problem Pb:1-24

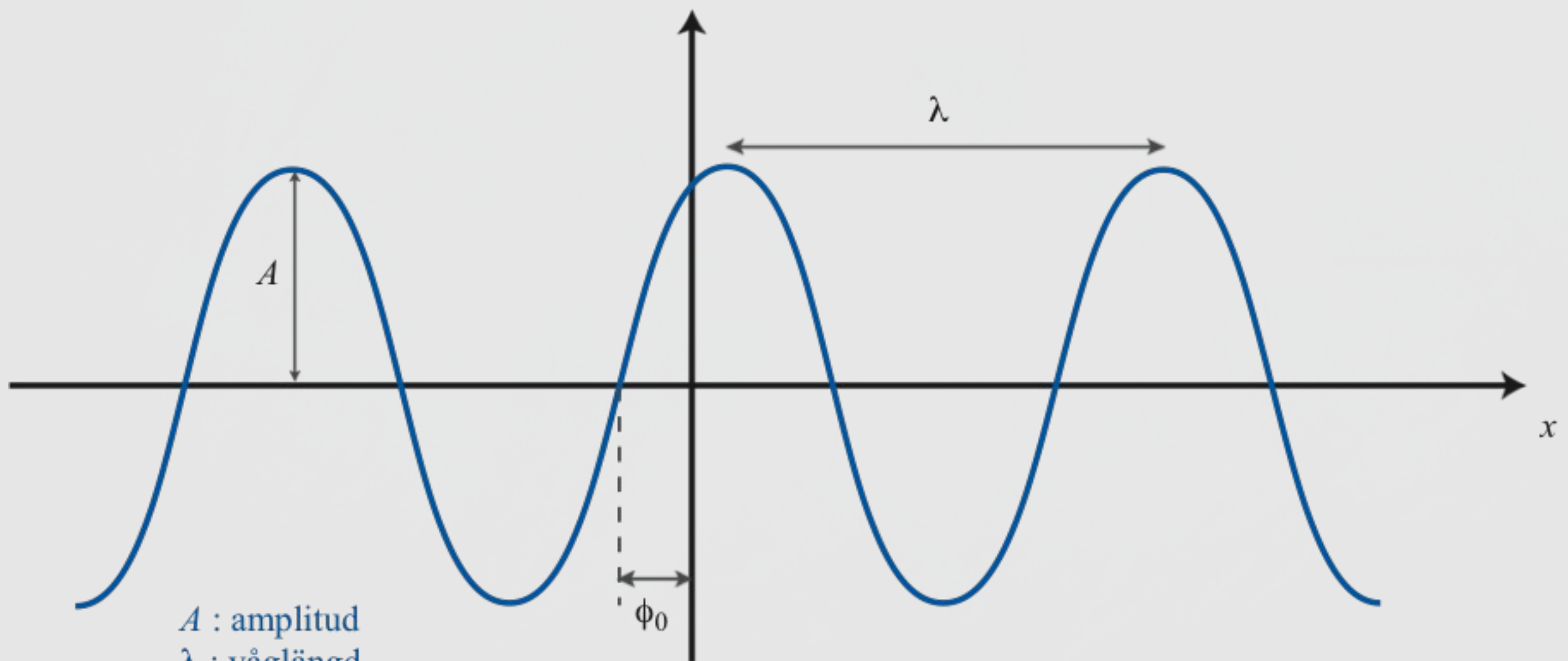
Transversell våg



Longitudinell våg

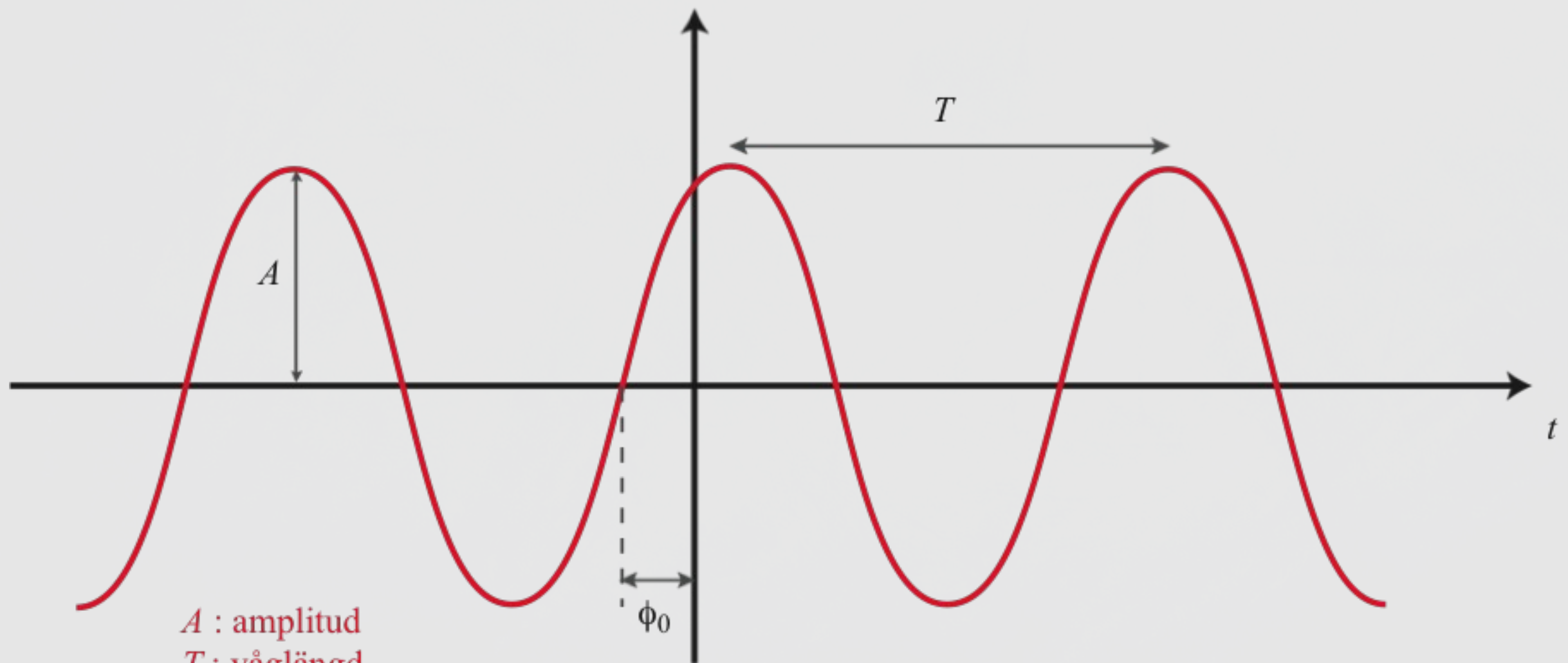
QuickTime and a
Video decompressor
are needed to see this picture.

$$y(x) = A \sin(kx + \phi_0)$$



A : amplitud
 λ : våglängd
 ϕ_0 : initialfas

$$y(t) = A \sin (kvt + \phi_0)$$



A : amplitud
 T : våglängd
 ϕ_0 : initialfas

$$y(x, t) = A \sin(kx - \omega t + \varphi_0)$$

QuickTime and a
Animation decompressor
are needed to see this picture.

